

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	McCullagh and Thistle
Application No.:	10/748444
Filed:	Dec. 30, 2003
For:	CRIMP AND WELD WIRE CONNECTION
Group Art Unit:	Not Assigned

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Docket No.: S63.2B-10954-US01

ASSIGNEE'S STATEMENT OF OWNERSHIP 37 CFR 3.73(B)

Scimed Life Systems, Inc., (name of assignee), a Minnesota (e.g., corporation, partnership, university, government agency etc.) is the assignee of the entire right, title and interest in the patent application identified above by virtue of:

- A. An assignment from the inventor(s) of the patent application identified above. A photocopy of the Assignment is enclosed. The original Assignment is being returned to the Assignment Branch to add the second inventor to the Assignment Recordation Cover Sheet.

The undersigned is empowered to sign this statement of ownership certificate on behalf of the assignee.

Respectfully submitted,

VIDAS, ARRETT & STEINKRAUS

Date: 7/14/04

By:

James M. Urzedowski
Registration No.: 48596

6109 Blue Circle Drive, Suite 2000
Minnetonka, MN 55343-9185
Telephone: (952) 563-3000
Facsimile: (952) 563-3001



**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Commissioner of Patents and Trademarks. Please record the attached original documents or c

1. Name of conveying party(ies): Orla McCullagh,
Robert Thistle
Additional name(s) of conveying party(ies)
attached? Yes No

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other Return assignment to record first inventor (Orla McCullagh) as indicated on the recordation cover sheet submitted 2/27/04
Execution Date: 1/7/2004

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s)

10/748444

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed: James M. Urzedowski
VIDAS, ARRETT & STEINKRAUS, P.A.
Suite 2000
6109 Blue Circle Drive
Minnetonka, MN 55343-9131

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41)

Enclosed

Authorized to be charged to deposit account

8. Deposit Account Number: 22-0350

(Attach duplicate of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James M. Urzedowski

Signature

Date

Total number of pages including cover sheet, attachments, and document:

OMB No. 0651-011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

**Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231**



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



* 70006E991A *

MARCH 03, 2004

PTAS

VIDAS ARRETT & STEINKRAUS, P.A.
JAMES M. URZEDOWSKI
6109 BLUE CIRCLE DRIVE
SUITE 2000
MINNETONKA, MN 55343-9131

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/27/2004

REEL/FRAME: 014383/0589
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:
THISTLE, ROBERT

DOC DATE: 01/07/2004

ASSIGNEE:
SCIMED LIFE SYSTEMS, INC.
ONE SCIMED PLACE
MAPLE GROVE, MINNESOTA 55311SERIAL NUMBER: 10748444
PATENT NUMBER:FILING DATE:
ISSUE DATE:JOANN STEWART, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

02/27/2004
700068991

O I P E

Form PTO-1595
1-31-92

MAY 18 2004

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark OfficePATENT & TRADEMARK OFFICE
5815FRECORDATION FORM COVER SHEET
PATENTS ONLY

To the Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Orla McCullagh,

Robert Thistle

Additional name(s) of conveying party(ies)

attached? Yes No

3. Nature of Conveyance:

- Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: 1/7/2004

2. Name and address of receiving party(ies):

Name: Scimed Life Systems, Inc.

Internal Address:

Street Address: One Scimed Place

Maple Grove, MN 55311

City: State: ZIP:

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

10/748444

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed: James M. Urzedowski

VIDAS, ARRETT & STEINKRAUS, P.A.

Suite 2000

6109 Blue Circle Drive

Minnetonka, MN 55343-9131

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41): \$40.00

Enclosed

 Authorized to be charged to deposit account

8. Deposit Account Number: 22-0340

(Attach duplicate of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James M. Urzedowski

Signature

Date

2/27/04

Total number of pages including cover sheet, attachments, and document:

OMB No. 0651-011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

F:\WP\WORK\FORMS\PA-ASSGN.CVR

CH \$40.00 220350 10748444

UTILITY/DESIGN PATENT
Docket No. S63.2B-10954-US01

A S S I G N M E N T

WHEREAS, I(we)

Inventor Name(s)	Inventor(s) Residence Address
Orla McCullagh	12 Dana Terrace, Watertown, MA 02472
Robert Thistle	35 Laurie Lane, Bridgewater, MA 02324

have invented an invention for:

CRIMP AND WELD WIRE CONNECTION

disclosed in my (our) application for United States Letter Patent filed on December 30, 2003 and assigned Serial No.
10/748444; and

I (we) hereby authorize and request any attorney of Vidas, Arrett & Steinkraus, P.A., Suite 2000,
6109 Blue Circle Drive, Minnetonka, MN 55343-9185, to insert the filing date and application number of said
application above when known.

WHEREAS, Scimed Life Systems, Inc. ("Assignee"), a corporation having its principal place of
business at:

One Scimed Place, Maple Grove, MN 55311

is desirous of acquiring the

- entire right, title, and interest in and to said invention, to said application for any and all
countries, to any and all Letters Patent, and to any and all Design Letters Patent of any
and all countries which may be granted thereon;
- entire right, title and interest in the US application described above;

NOW, THEREFORE, Be It Known that for good and valuable consideration, the receipt of all of
which is hereby acknowledged, I(we) hereby sell, assign, and transfer unto Assignee, its successors, and assigns, the

- entire right, title and interest, legal and equitable, in and to said invention, to said
application for any and all countries, to any and all Letters Patent, and to any and all
Design Letters Patent of any and all countries which may be granted thereon;
- the entire right, title and interest, legal and equitable, in and to said application and all
United States Letters Patent and Design Letters Patent which may be granted thereon;

and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all
Letters Patent and all Design Letters Patent which may be granted to said invention to Assignee.

Date	Inventor Name(s)	Signature
01/07/04	Orla McCullagh	Orla McCullagh
01/07/04	Robert Thistle	RTh



DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)

Docket No.: **S63.2B-10954-US01**

Title of Invention: **CRIMP AND WELD WIRE CONNECTION**

As the below named inventor(s), I/We declare that:

10/748444

This declaration is directed to Application No. 10/748444 filed on December 30, 2003.

I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;

I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by an amendment specifically referred to above;

I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

All statements made herein of my/our own knowledge are true, all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.

FULL NAME OF INVENTOR(S)

Inventor 1: Orla McCullagh

Signature: Orla McCullagh Citizen of: Ireland

Date: Jan 7th 2004

Inventor 2: Robert Thistle

Signature: R. Thistle Citizen of: USA

Date: 1/7/2004



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	McCullagh and Thistle
Application No.:	Not Assigned
Filed:	Not Assigned
For:	CRIMP AND WELD WIRE CONNECTION
Examiner:	Steve McAuley
Group Art Unit:	Not Assigned

Mail Stop Patent Appln
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Docket No.: S63.2B-10954-US01

POWER OF ATTORNEY FROM ASSIGNEE

Scimed Life Systems, Inc., One Scimed Place, Maple Grove, MN 55311

as assignee of the entire interest of the above identified patent application, hereby appoints all practitioners of Customer No. 490 to insert the docket no., filing date and application number of said application above when known; to prosecute this application and any application claiming priority therefrom; to execute any terminal disclaimers on behalf of assignee; and to transact all business in the Patent and Trademark Office connected therewith, and I hereby authorize them to act and rely on instructions from, and to communicate directly with, the firm or person which sent this case to VIDAS, ARRETT & STEINKRAUS unless or until I instruct VIDAS, ARRETT & STEINKRAUS in writing to the contrary.

Dated this 19 day of February, 2005.

(Name of Company)

Scimed Life Systems, Inc.

(Signature)

By: Steve McAuley

(Title)

Its: Patent Counsel

(Filing date, application number and docket number may be left blank at time of signing)

VIDAS, ARRETT & STEINKRAUS
Suite 2000, 6109 Blue Circle Drive, Minnetonka, Minnesota 55343-9185, USA
Phone (952) 563-3000 Facsimile (952) 563-3001